

Listing of Claims:

1. (Currently Amended) A stent assembly, comprising:
a spiral shaped elongate member having a first end and a second end, wherein the elongate member includes a plurality of spiraling loops extending between the ~~last~~ first end and the second end, the loops being spaceable so as not to touch each other;
a first contact attached adjacent the first end of the elongate member; and
a second contact attached adjacent the second end of the elongate member, wherein the first and second contacts are coupled to a power generator, the power generator arranged to allow a current to be passed from the first contact to the second contact, and
a measuring device that measures current or voltage passing between the first and second contacts.
2. (original) The stent assembly of claim 1, wherein the elongate member is constructed from one contiguous strip.
3. (original) The stent assembly of claim 1, wherein the loops each have a rectangular cross-section.
4. (currently amended) ~~The~~ A stent assembly ~~comprising: of claim 1,~~
a spiral shaped elongate member having a first end and a second end, wherein the elongate member includes a plurality of spiraling loops extending between the first end and the second end, the loops being spaceable so as not to touch each other;
a first contact attached adjacent the first end of the elongate member; and
a second contact attached adjacent the second end of the elongate member, wherein the first and second contacts are coupled to power generator, the power generator arranged to allow a current to be passed from the first contact to the second contact,
wherein a height of the plurality of loops measured along a radial axis of the plurality of loops is greater than a width of the plurality of loops measured along a longitudinal axis of the plurality of loops.
- 5-17. (canceled)

18. (new) The stent assembly of claim 1, wherein the power generator is an internal power source.

19. (new) The stent assembly of claim 18, wherein the internal power source is a subcutaneous pack.

20. (new) The stent assembly of claim 18, wherein the internal power source is a battery.

21. (new) The stent assembly of claim 1, wherein the measuring device is a voltmeter.

22. (new) The stent assembly of claim 1, wherein the measuring device measures current.

23. (new) The stent assembly of claim 1, wherein the measuring device measures voltage.

24. (new) The stent assembly of claim 1, wherein measured information is communicated to an external communications device from an internal communications device.

25. (new) A stent assembly, comprising:

a spiral shaped elongate member having a first end and a second end, wherein the elongate member includes a plurality of spiraling loops extending between the first end and the second end, the loops being spaceable so as not to touch each other;

a first contact attached adjacent the first end of the elongate member;

a second contact attached adjacent the second end of the elongate member, wherein the first and second contacts are coupled to a power source, the power source arranged to allow a current to be passed from the first contact to the second contact, and

a measuring device that measures current or voltage passing between the first and second contacts.